INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG2004/000371

Α. (CLASSIFICATION OF SUBJECT MATTER							
Int. Cl. 7:	B81B 7/00, 1/00; B01D 61/42							
According to I	nternational Patent Classification (IPC) or to both	national classification and IPC						
B. I	FIELDS SEARCHED							
Minimum docum	nentation searched (classification system followed by classification syste	assification symbols)						
Documentation :	searched other than minimum documentation to the exte	ent that such documents are included in the fields s	searched					
WPAT, INSP	pase consulted during the international search (name of or EC keywords: actuat; electroosmo, electric dur; fluid, liquid, electroly; pressure, force, pus	louble layer, EDL, electrokinetic; piston,	plunger; micro,					
C. 1	DOCUMENTS CONSIDERED TO BE RELEVANT							
Category*	Citation of document, with indication, where app	Relevant to claim No.						
Х	US 6537437 B1 (GALAMBOS et al.) 25 M Column 15 line 28 – column 17 line 39; Figure	1-2, 9, 11, 14-17, 24, 26, 29						
A	US 6277257 B1 (PAUL et al.) 21 August 20 Whole document, in particular, column 4 lin	·						
P _; A	LASER D J and SANTIAGO J G, A review Micromechanics and Microengineering, vol published 19 April 2004 See pages R54-R56							
F	urther documents are listed in the continuation	n of Box C X See patent family	annex					
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "T" later document published after the international filing date or priority date and not conflict with the application but cited to understand the principle or theory								
	underlying the invention document of particular relevance; the claimed invention cannot be considered nove or cannot be considered to involve an inventive step when the document is taken alone							
or which	it which may throw doubts on priority claim(s) "Y" d	ument of particular relevance; the claimed invention cannot be considered to olve an inventive step when the document is combined with one or more other had documents, such combination being obvious to a person skilled in the art						
	it referring to an oral disclosure, use, exhibition							
	nt published prior to the international filing date than the priority date claimed							
Date of the actu	al completion of the international search	Date of mailing of the international search rep	ort. 2 FEB 2005					
27 January 2	005 ing address of the ISA/AU	Authorized officer						
	I PATENT OFFICE							
PO BOX 200, '	WODEN ACT 2606, AUSTRALIA pct@ipaustralia.gov.au	JULIA HU						
	(02) 6285 3929	Telephone No : (02) 6283 2754						

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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member						
US	6537437	US	6797187					
US	6277257	AU	33783/00	EP	1169573	UŞ	6013164	
		US	6019882	US	6224728	US	6572749	
		wo	0055502			•	•	

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX